

Cutting ceramic by turning of nickel alloy Inconel

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This article deals with dry turning of nickel superalloy - Inconel 718. The different ceramic inserts were applied for cutting process. These inserts were produced by Greenleaf Corporation company. This paper discusses durability of cutting inserts, the different intensity of tool wear at various cutting parameters. The most suitable cutting conditions are chosen in the scope of applied tools.

Keywords: turning, Inconel, cutting ceramic, tool wear, dry machining

Acknowledgements

This work was financially supported with project Increasing of Professional Skills by Practical Acquirements and Knowledge (CZ.1.07/2.4.00/17.0082) by Education for Competitiveness Operational Programme financed by Structural Funds of Europe Union and from the means of state budget of the Czech Republic and by the Students Grant Competition of VSB-TU Ostrava and Ministry of Education, Youth and Sports (SP2012/68) Effective machining of progressive materials and integrity surface evaluation.

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Paper number: M201238

Manuscript of the paper received in 2012-09-24. The reviewer of this paper: *Karol Vasilko*.
